

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/KR03/01401**A. CLASSIFICATION OF SUBJECT MATTER**

IPC7 H01J 17/49

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC H01J G28B C03C G09G

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 2000-243267 A(CHOKAI MAKOTO) 08 Sept 2000 see entire document	1, 11
P.A	KR 2003-027998 (KIM, YONG SEOG) 08 April 2003 see entire document	1, 11
P.A	JP 2003-20253 (UESUGI RYUJI) 24 Jan 2003 see entire document	1, 8, 9, 11
P.A	KR 2003-26881 (SAKURAI HIDEAKI) 03 April 2003 see abstract	1, 11

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&amp;" document member of the same patent family

Date of the actual completion of the international search

29 OCTOBER 2003 (29.10.2003)

Date of mailing of the international search report

29 OCTOBER 2003 (29.10.2003)

Name and mailing address of the ISA/KR

Korean Intellectual Property Office  
920 Dunsan-dong, Seo-gu, Daejeon 302-701,  
Republic of Korea

Facsimile No. 82-42-472-7140

Authorized officer

KANG, Byung Sub

Telephone No. 82-42-481-5965



# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/KR03/01401

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
JP 2000-243267 A	08-09-00	JP 3346356 B2	18-11-02
KR 2003-0027998	08-04-03	NONE	
JP 2003-20253 A	24-01-03	NONE	
KP 2003-26881	03-04-03	JP 1520253 A EP 129793 A US 2003056313 A1	24-01-03 02-04-03 27-03-03